

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Plumier et Bomm
Flora Medicale des Antilles
par M.E. Desvaux

Paris 1821 - 29 8 Vol.

Castanea le ~~petit~~ les rives
vol. I. p. 277 tab 65 Cocca quadriflora sur l'arbre, racines
hydrogogue; faisan des serpents ou pectoral. ~~et~~ pro
des vomissements, dysenterie; ver ou fuge

p. 281. tab 66 "Castas N'varia" - Bomm. Ann. tab 193.

Castas pentagona Linn. — les autres describedes conservent
encore un peu de gomme résine pour éviter
de tomber aux nègre pêcheurs.

3-5 feet high - thickness of thigh, branches round
& angled; [the figure shows at least 10 angles!] single or
flower yellow, sometimes mixed with red, fruit
golden yellow as large or larger than the fist, tuberculated,
edible; interior white

p. 285. tab 67. Castas flagelliformis — figure shows the flower
too small and incorrect especially the ovary.

"le style n'est point divisé à son stigmate" !

p. 289. tab 68. Apertus — Bomm Ann. tab 194. It is an arborescent
Opuntia with flat joints; figure in dull bloom
10-15 feet high. Spring; but joints apparently 1-2 feet
long - with "quelques épines bien-faciles et fort
courtes".

flans assez grandes, l'an jaune orange
fruit orange, with white rind, "renfermant une
infinité de petites semences noires" !!!

"sur la tige" !!

O. Dillenii ?



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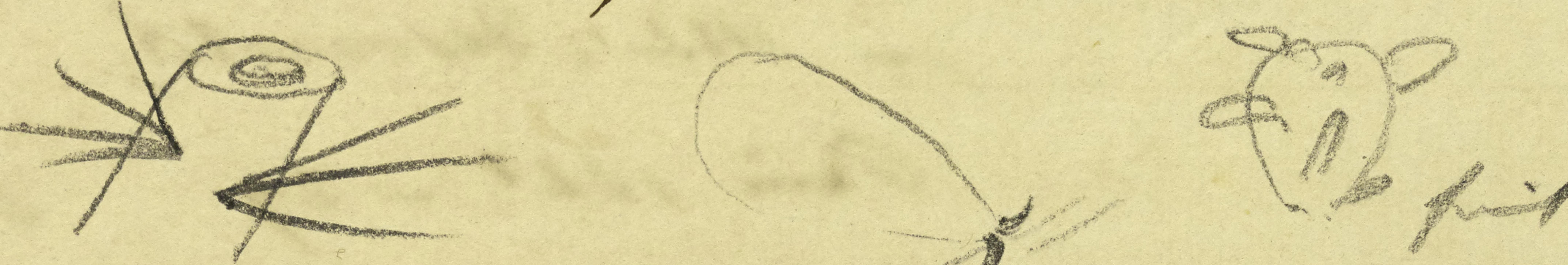
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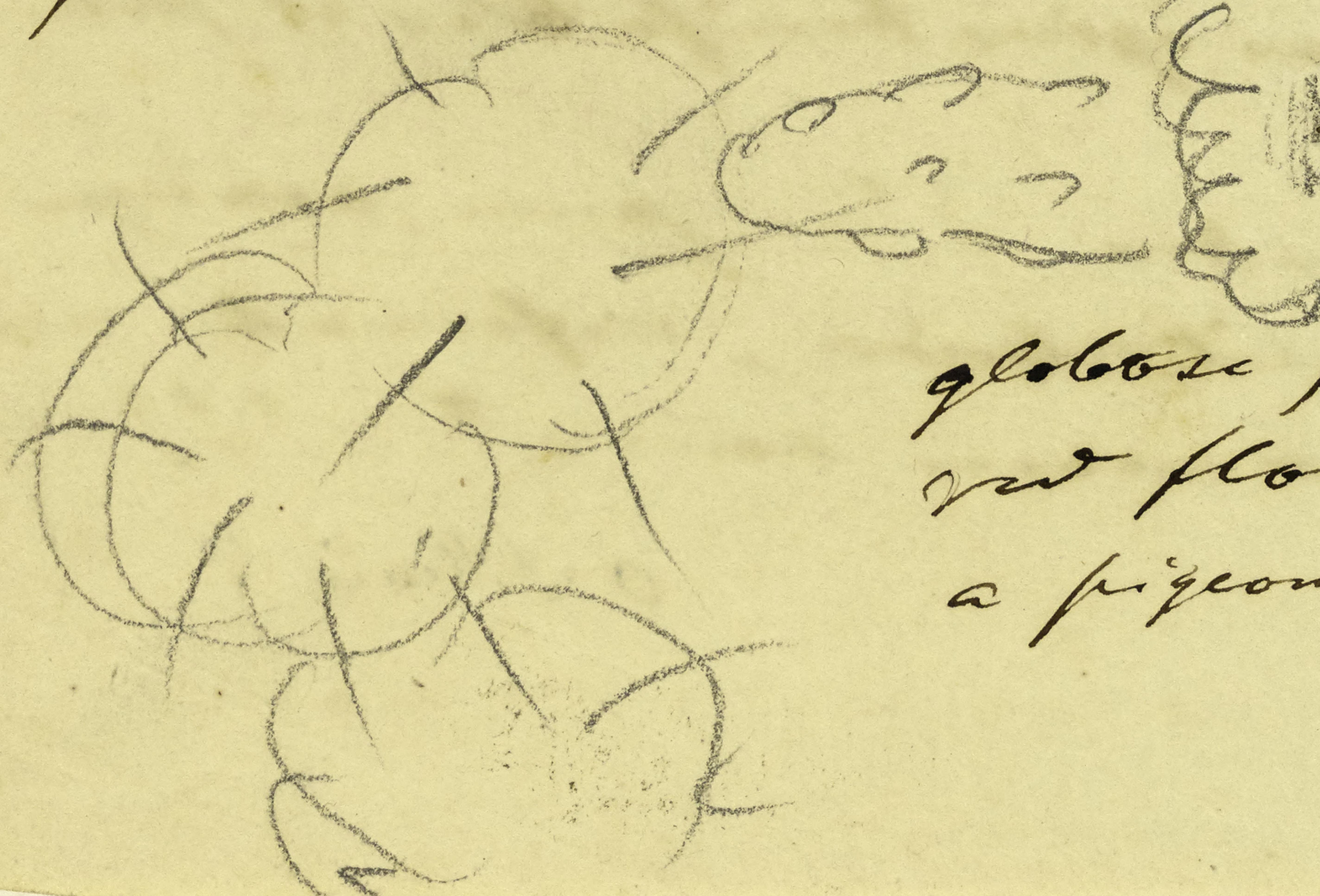
IV. p. 289 tab. 291a *Journal des Antilles*, Persoon
au arbuste épineux à de longs rameaux sanguinolent


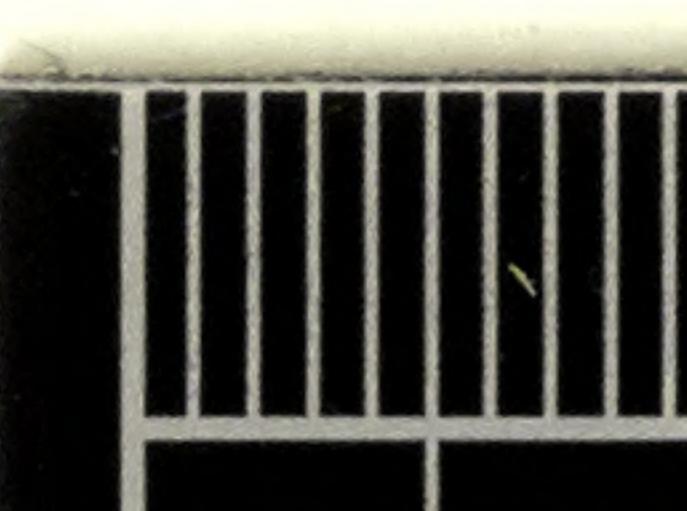
fl. white; 2 hooked spines in the axill of each leaf,
stem very spiny, sp. straight yellow; very
fist leathery. fls. tirs odorantes, blanches
plusieurs ensemble sur le même péduncule,
fruits transparents à de petites épines
et de feuilles charnues vertes. 7-6 grains
d'un brin noirâtre

V. p. 160. tab. 419. *Cactus fructiferus*, *Cactus erubescens* ^{var. 1}
Burm. Ann. 195. fig. 1. thick of the leg,
18-20 feet high; 3-9 on 10 ribs; white long spines
red colored large flowers; fruit globose, almost
as large as an orange, red, with tubercles and
cluster of sharp spines — interior red
very acrid, has bulant, nîme verdâtre.

VI. p. 262. tab. 513. *Opuntia*. 6-8 feet high, with a foot
long, glaucous, 1 inch thick, oval,
fl. yellow, fruit red, fig shaped,
the fig has 3-5 yellow spines, 1 inch L.

p. 267. tab. 514. *Cactus moniliformis* Burm Ann 198


 figure very imperfect
can it be an *Opuntia*?
globose joints, size of a green walnut
red flowers, red fruit size of
a pigeon's egg. seeds yellow.



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III. p. 270 t. 6. 515 *Melocactus*. Rocky sea-coast of the Antilles; size of a man's head, 16-15-rib, spines white, red at the points, 1 inch long, place in the figure rose red, head a little more red, flowers darker red. Spines yellow (with descriptive white). Spines in the figure rounded 6-8.

p. 273 t. 6. 516 *Opuntia woodbridgei*; no spines, red flower, except staining green stigmas. - 6-8 feet high, joints 1 foot long 5-6" broad, nearly 2 inches thick

p. 285. t. 6. 519. *Casta triangularis*, bracts flowers even here in this bad figure make by the large only spcamone repel; flowers large, white, - fit wider, large as a goose egg, red inside & outside, very good to eat.



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Plum. ad. Burm. 1755

tab 200. fig 1. *Cactus trigonus* species spinulis quaternis
spines ~~of~~ - stems 2" diam; flowers very large,
10" by, wide with long tube and large
squarrose or lax sepals - Lin sp. p. 468 no 13?
Car. triangulans Haw.

tab 200 f. 2. *Cactus cacti trigono articulatus*
spines - fit - fit large, rounded
with scales

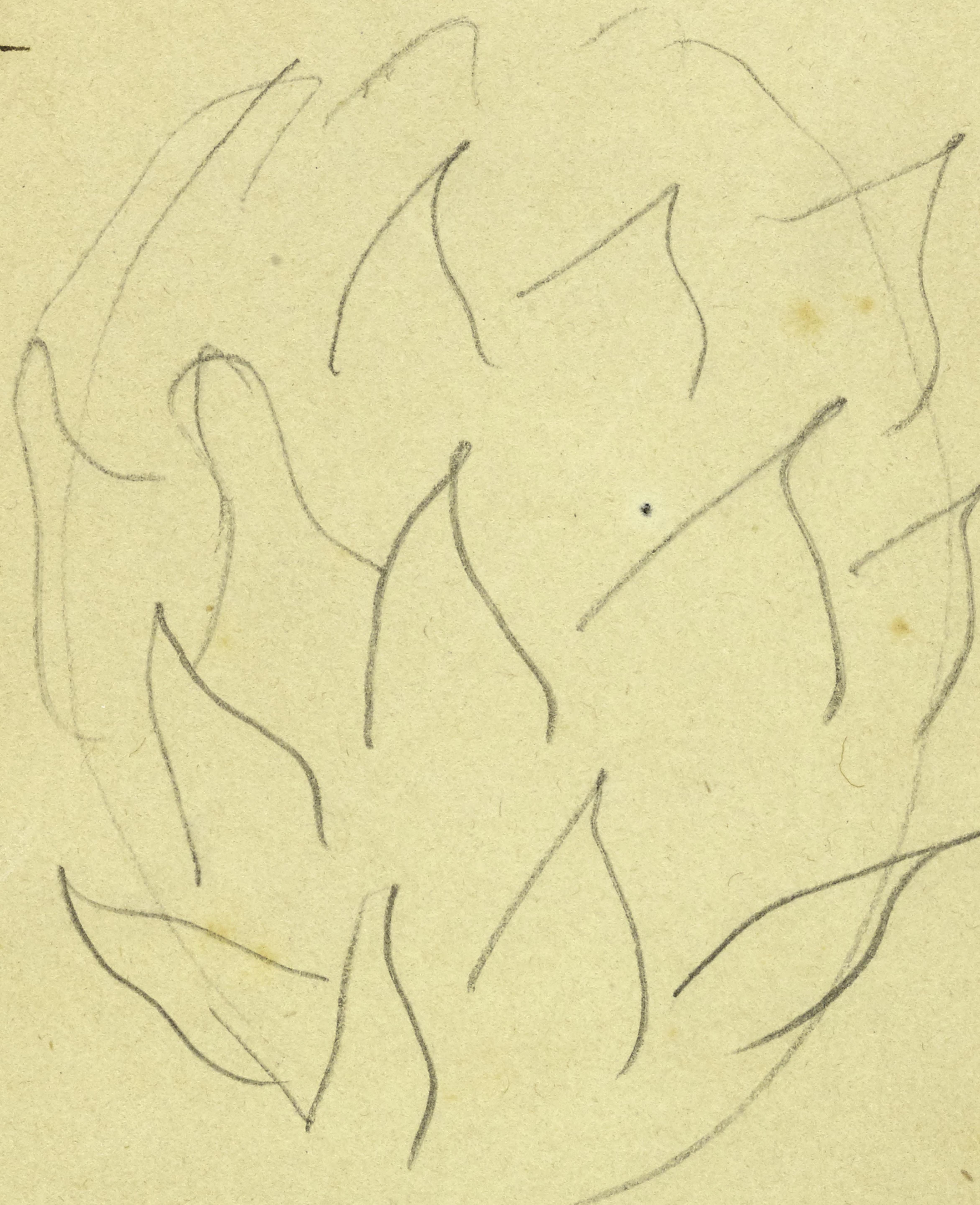
stems 6-7 otherwise

the same as last

probably the same

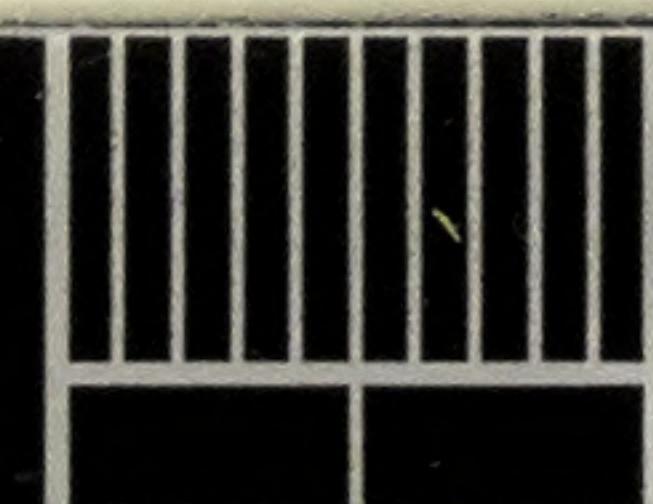
Car. triangulans
diss

Car. trigonus Haw
publ. DC. III. 468



what is 1951. 2
199. 2

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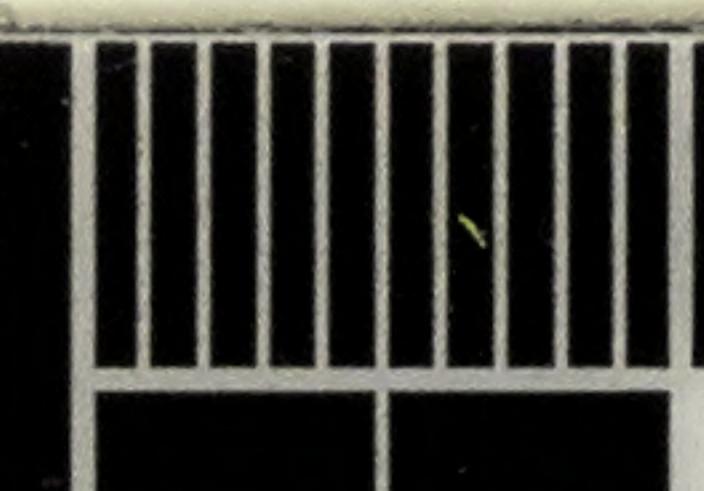
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Plum. ed. Burm. 1755.

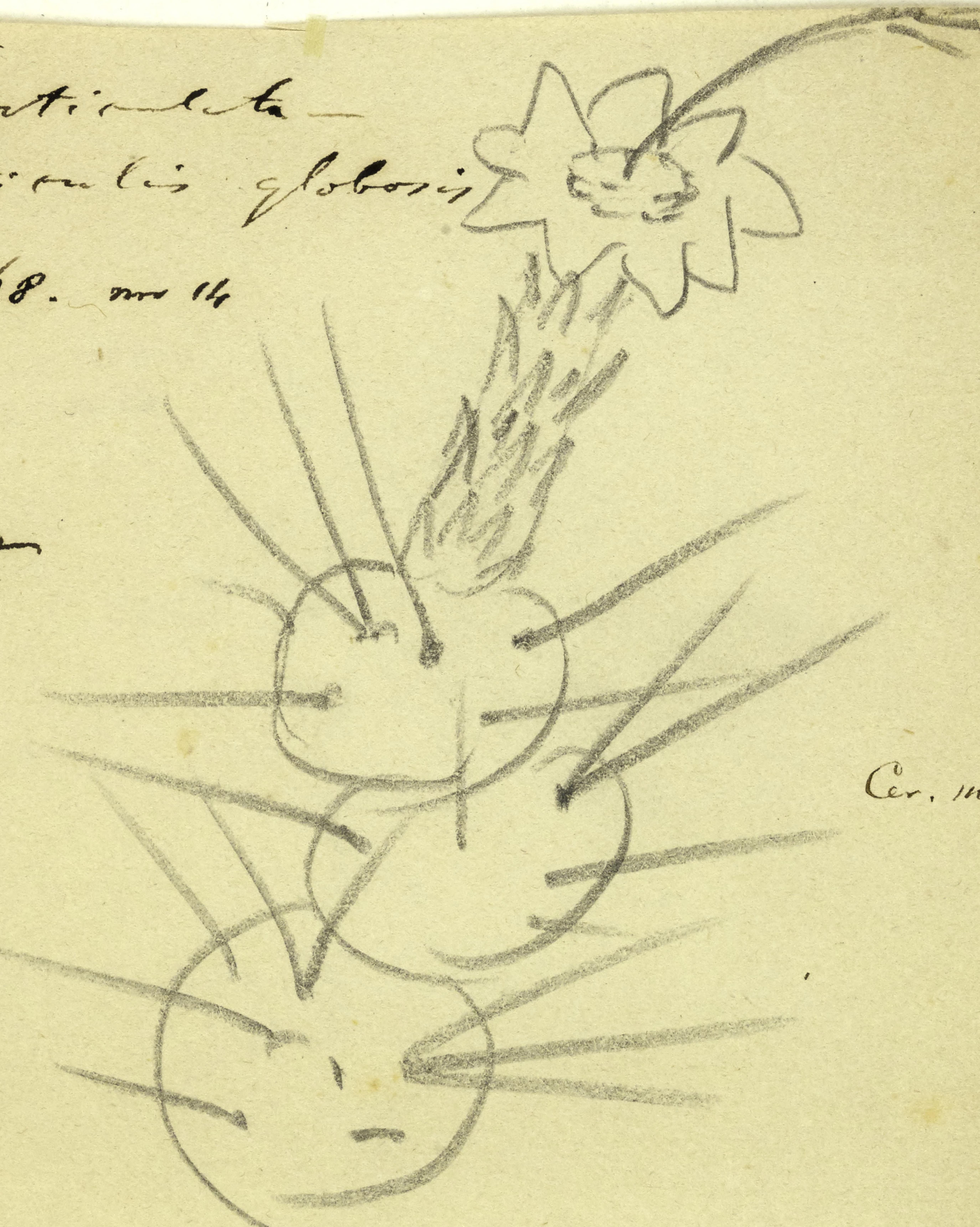
tab. 198. *Cactus articulata* -

prolifera, articulis globosis

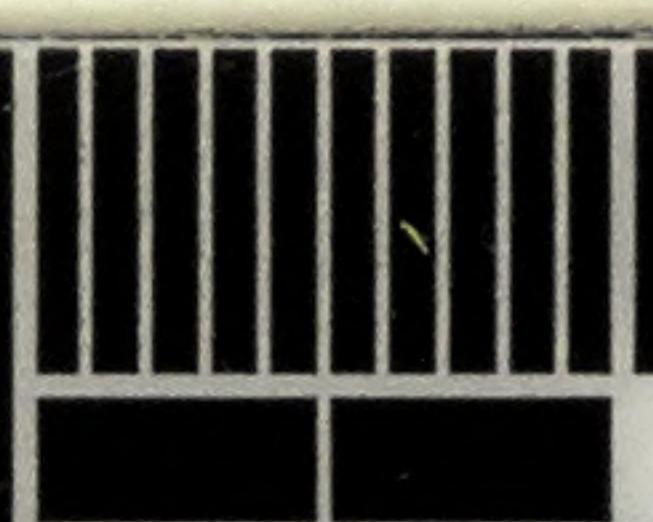
Li spec. pl. p. 468. no 16

sp. long 1-2

tube of flower long
only



Cer. moniliformis



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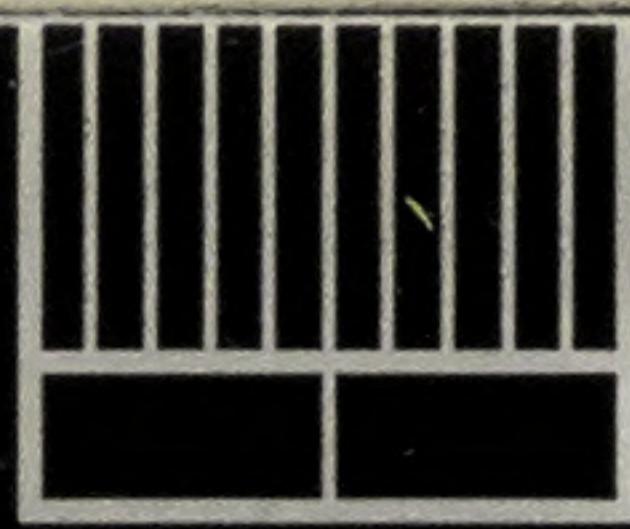
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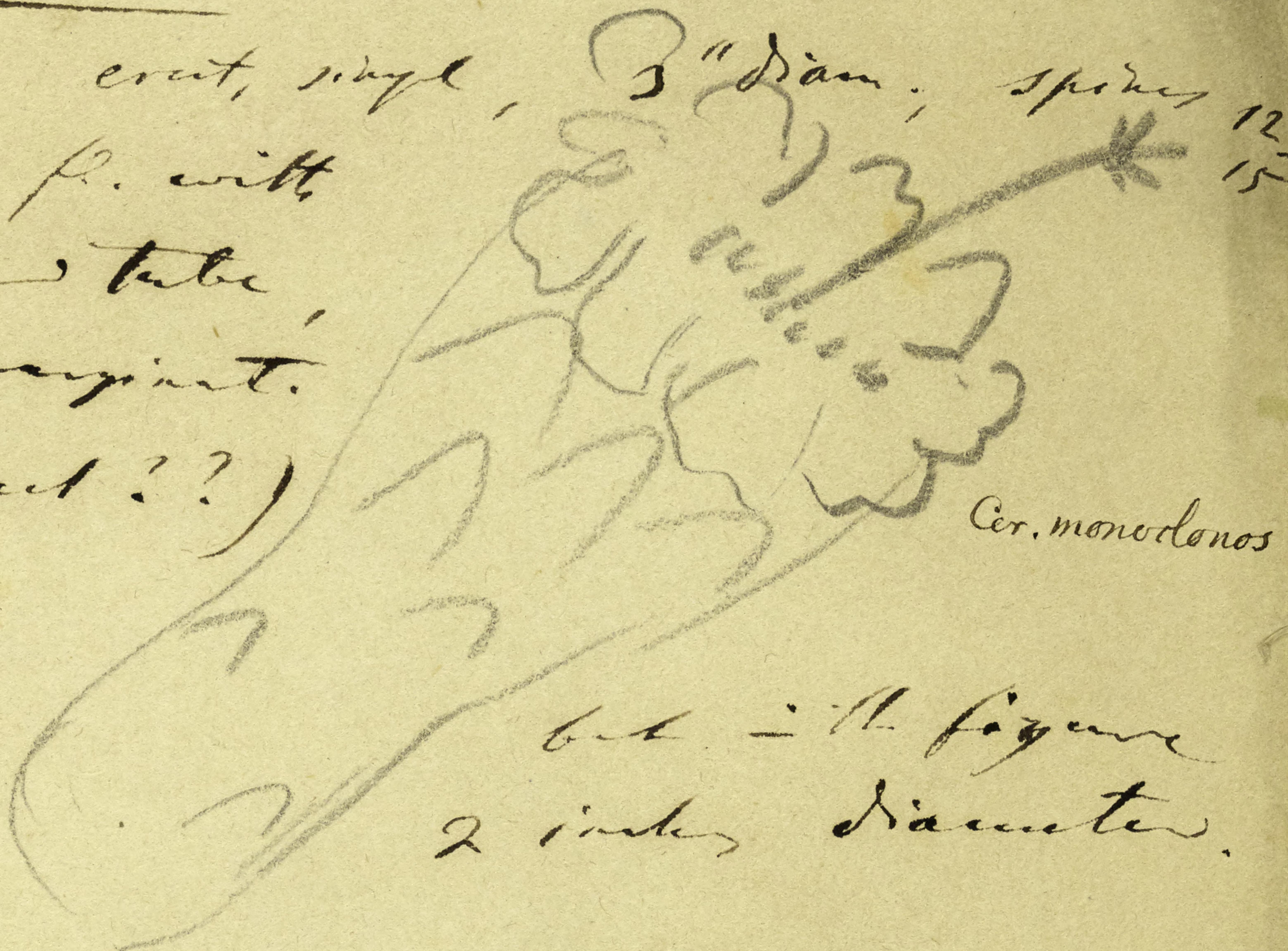
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Ramírez Pl. Amer. ed. Burn. 1755

tab 191 *Cactus octangularis* erat, r. cyl., 3" diam; spines 12
numerous, $\frac{1}{4}$ " long, - fl. with
few scales on way to tube,
petals return or emarginate,
style exsert (comet??)
with 5 stigmas.
"Pomum ingeas"
Linnae. pl. 467 no 9



Ab. sub nomine Cacti quatuor hodie gener
cunprochae cunctorum.

Cereus (*clavatus*)
Melocactus (*subrotundus*)
Opuntia (*prolifera*)
Dioscorea
Peregrina (*foliosa*, alba)

tab. 192.

Cactus, Gauchito; a tall angular
trunk, with a much branched head,
branches or joints 3-6 angular,
fl. tubular; st. way to tube
and with scales "ciliata et tibi"
style exsert, numerous stigmas -
fl. only 2" diam. globeous -

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Cer. paniculatus
= Cer. variabilis



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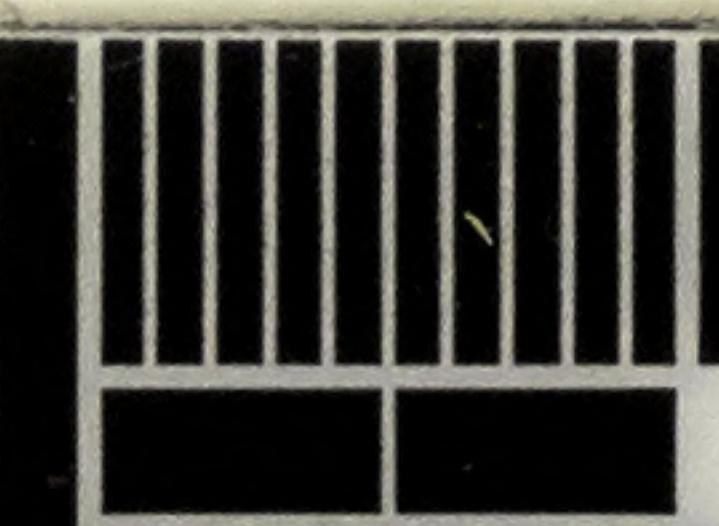
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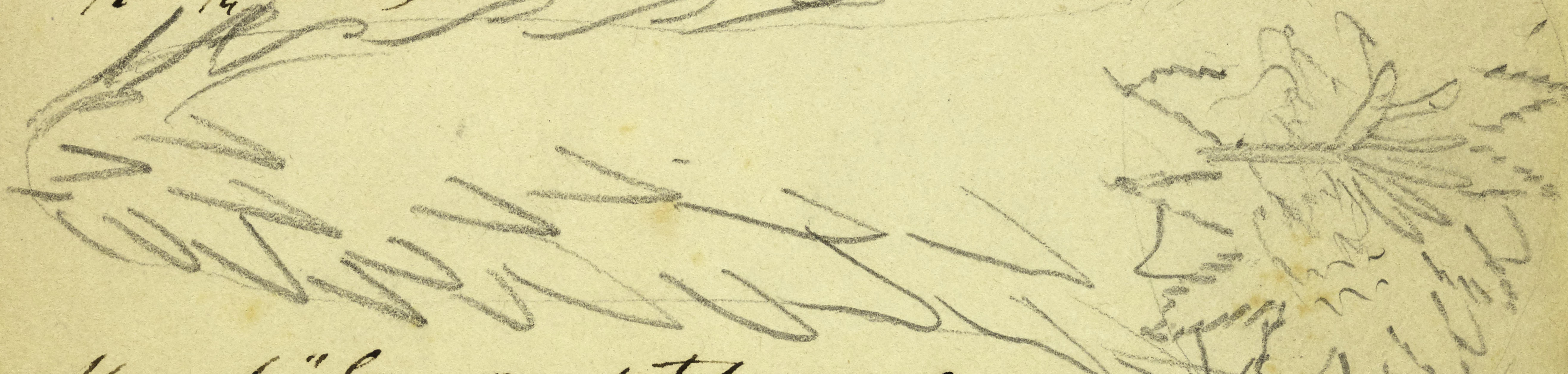
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Plum. ed. Durm. 1755

tab. 193. *Cast. ramosissima articulis rugulis*; — tree-like
many angled stem (10-12) — only globose
fruit 2 $\frac{1}{2}$ - 3 " diam; Cor. divaricata DC.

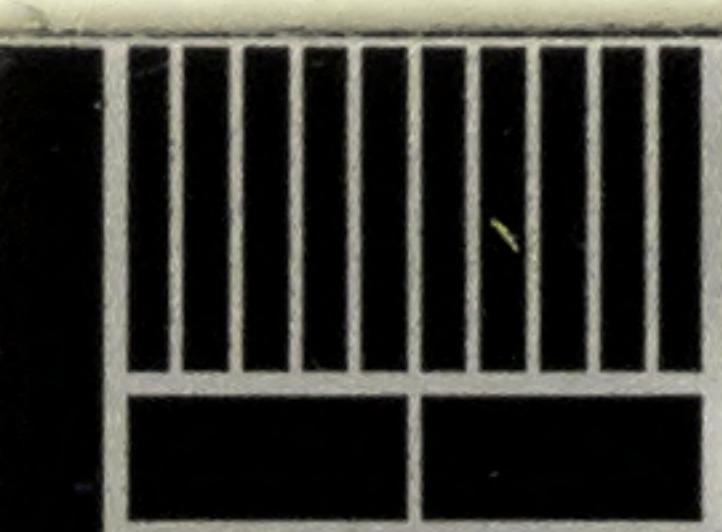
tab. 194. *Cast. ramosa articulis trigonitis*; stem tree-
like, 3 angled, ad angulos spines setosus
fasciolatus [longis] annulus; — fl. long
tabular, — with large expanded limb. short
style — spines on branches short *Cast. undulatus* = *variable*
Linn Sp. pl. 468 No 16 *Cast. trigonum*

tab 195, 3. *Cast. octangularis exstans* — complex
longissimis spines setosus —stelliformibus
— stem 3 inches diam; ribs obtuse — 16-16 spines
 $\frac{1}{2}$ - $\frac{3}{4}$ inch long



flwr 6" long, ovary & tube covered with
large scales — petals obtuse,
stigmas 5-6 (?)
leaves opp. downy, serrate

Cor. fimbriata Lam.
Cor. semiliflora



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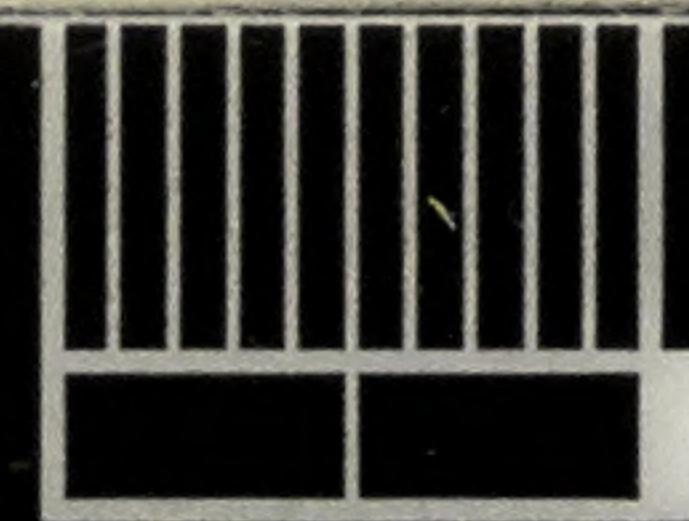
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Ram. ad. Durm. 1755.



pl. 196 Cact. erectus ramosus 11-angulare

fl. 2-3 in. h., thick - few

scales below, petals numerous

often erect. branched, bony

erect, numerous; spines numerous &

sharp, stout

Silene polygonum S.



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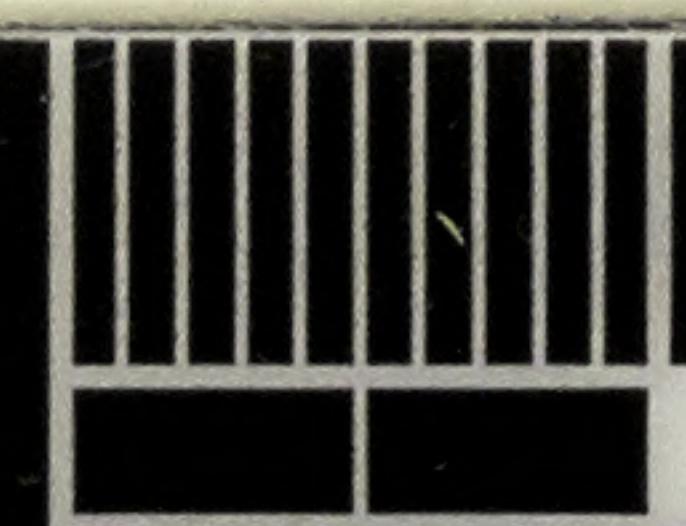
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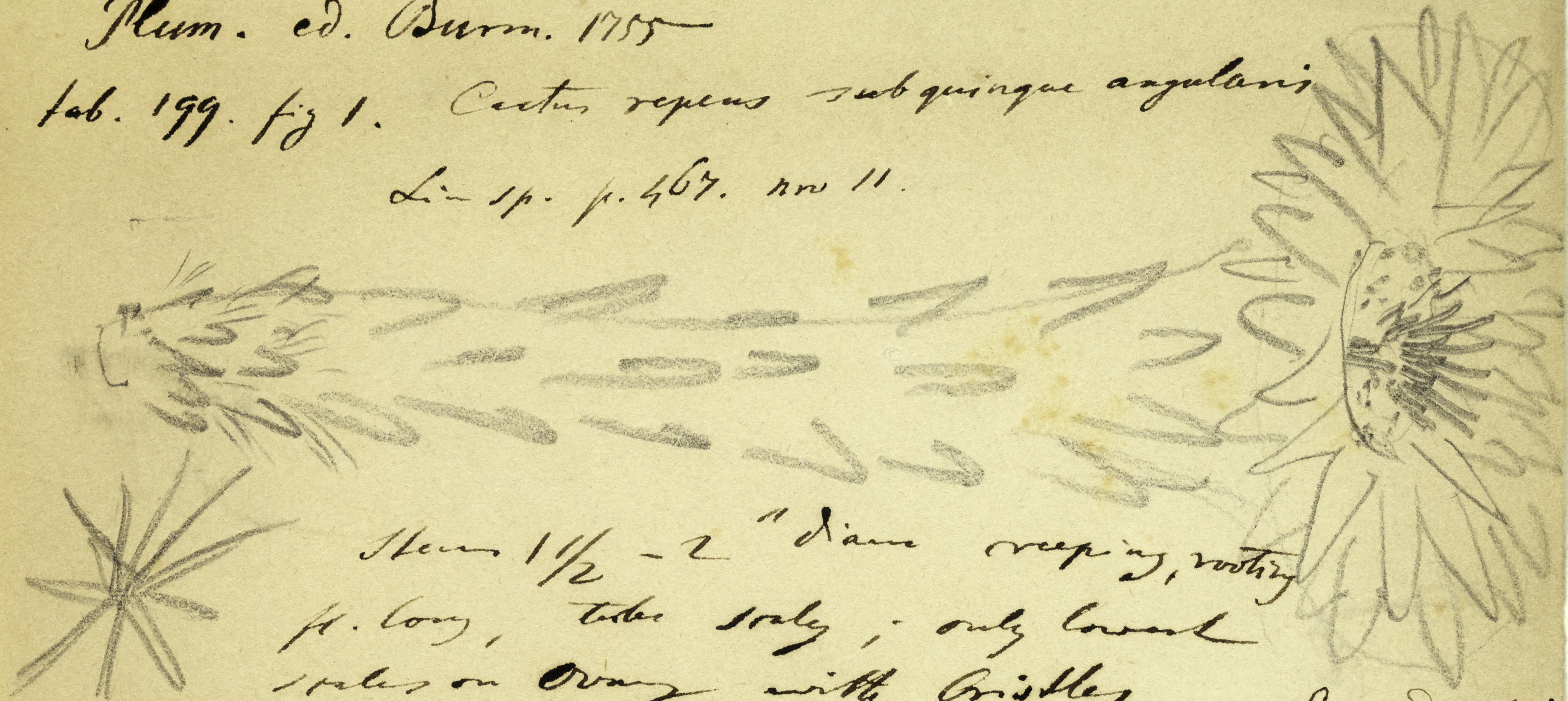
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Plum. ed. Buxton. 1755

tab. 199. fig 1. *Pecten repens* ~~tab~~ *quadratus* *angulatus*
d'Im. sp. p. 463. no 11.

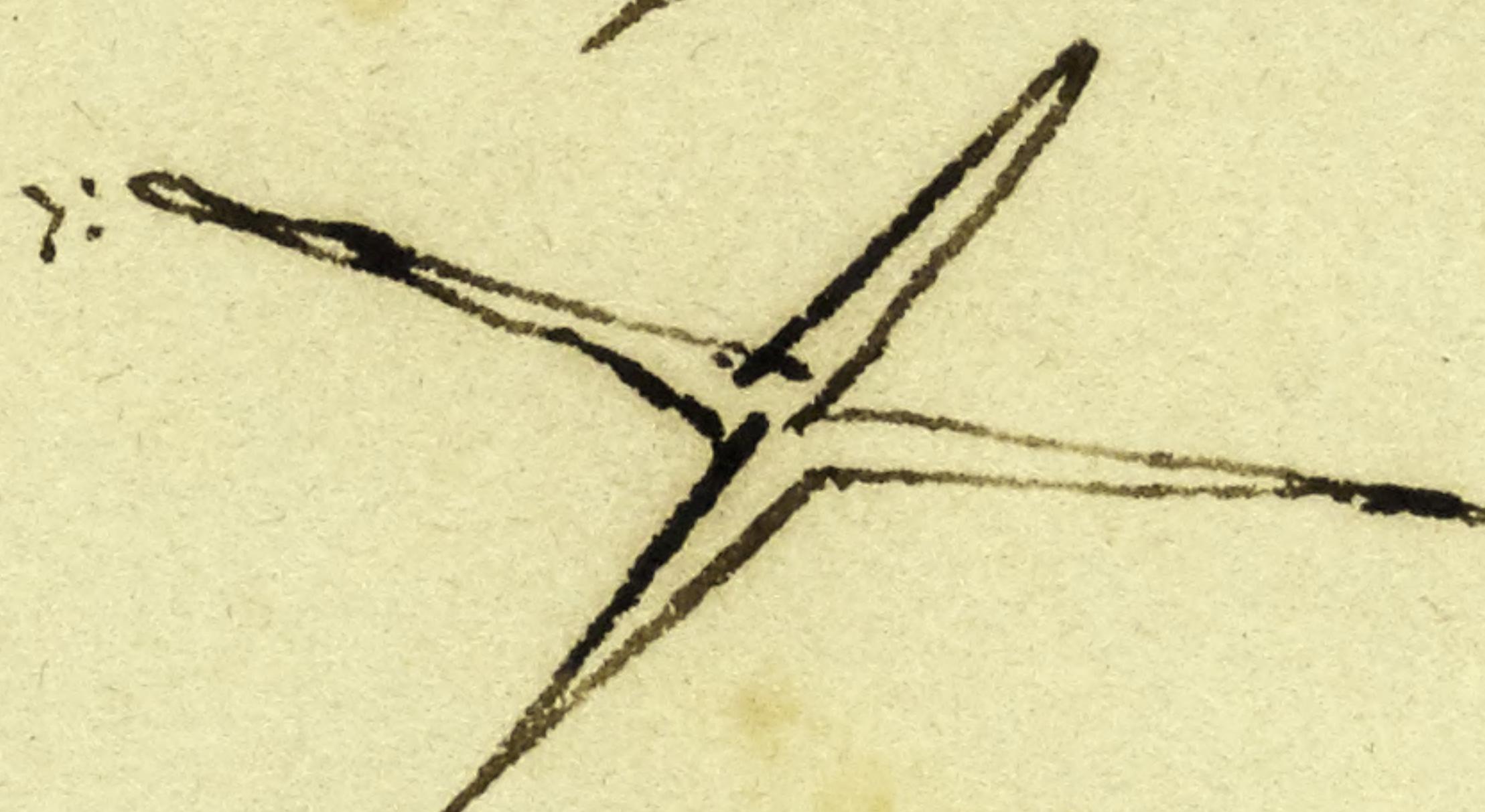


Stems $1\frac{1}{2}$ - 2 " diam. creeping, mostly
h. long, tuber scaly; only basal
valves on ovary with bristles
petioles straight, white, very fragrant -

Cer. quadrigularis
Haw.

(C. Frank & Henshaw) ~~Specimen~~ (?) ~~Specimen~~ No. 468

Feb 199. Fig 2. *Cartea regia* trigonus spinae
quaternis octauis
diam. 1/2 inch.



Highly Satisfied with the
various in the country



196
Preston

1915

1870 Oct 10. 1870 Oct 10. 1870 Oct 10.

is a large mass of
Brick rubble,
glomeric &c.



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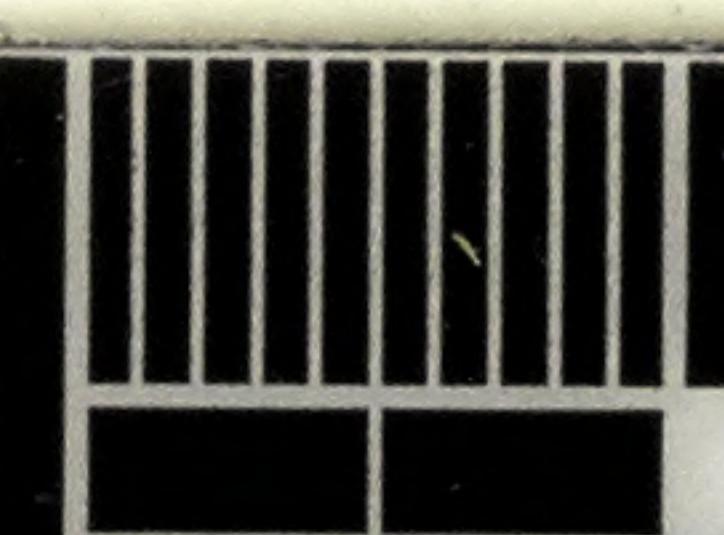
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Notes made in looking through
Jacquin's figures of Cactaceæ.

miss

March. Nov 1857

Ech. ingens is the plant with darker green (in this figure not red) oblique spots and stripes; alone bluish green; — figures of germination, and a seedling 3 inches high. with 6 ribs (ought to be 5 ?). — Seems to me to be the plant ~~type~~ cultivated and that name is Berlin etc

Ech. Kiffii sp. cylind. cespitosus, numerosa.
resortibus, radio rubellis; spiculis petaligr.
flavis vilis fabricatis.

Stylus tenuis
13 stig. filiform.



M. spiculata pale green, cylind., covered with
whitish spines — flowers lateral small deep crimson
tubercles short closely aggregated, broad, —
whole plant habit of my tuberculata

M. conigera
top or vertex
caerulea

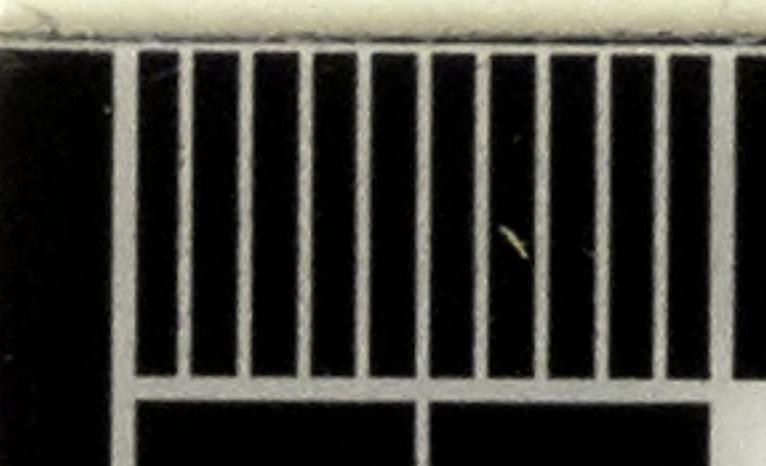


enlarged. flowers lateral
white woolly; petals crimson

M. pulcherrima.



two short, a few
bristly spines,



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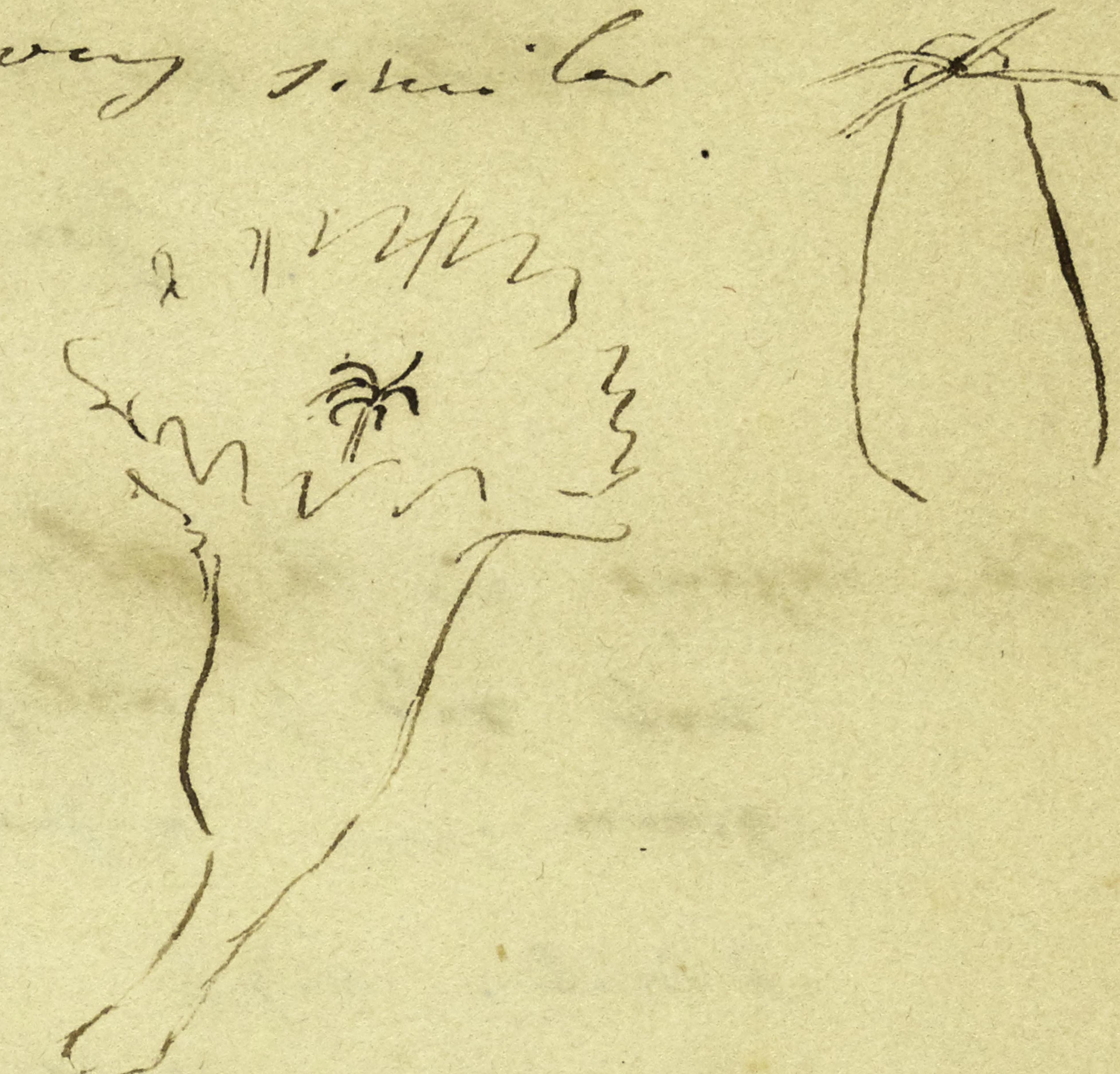
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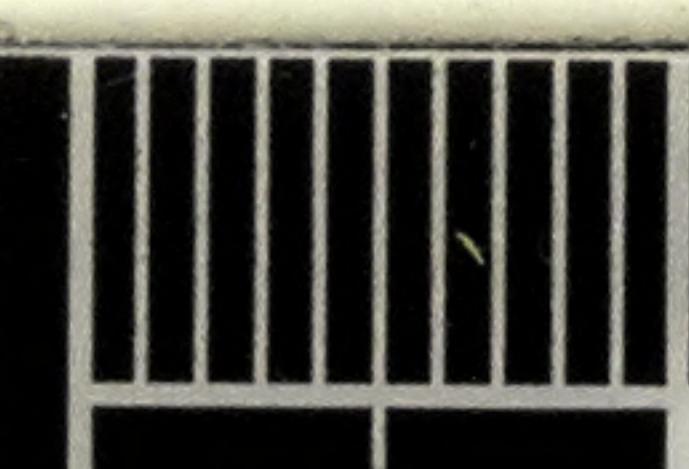
M. uniformis flower very similar. 
to *sphaeris*, but smaller,
mucilage large, &
yellowish or brownish spikes
5-6 yellow stigmas

Phinaxia pulchella; fl. rose red; petals acute or cuspid,
6-7 oval greenish stigmas, very short spikes;
yellowish, on the tuberous obtuse ribs

Ph. oxygona, 12 ribs; awl-like lvs
2-3 lobed pan (6x) — fl. rose purplish,
anthers in different series — one copper one
(as in *Lycium*) remains stigmas. — fl 10" long
tuberous with white bladdery below; at the upper part black
bulbs in the axils of the rachis

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Gossebach

Notes on West Indian

Cactaceae

Notes on the Lesser Antilles by authors

Melocactus communis L. H. & Otto

St. Thomas Schlecht. - Linnaea

St Croix West fl. v. St Croix

St Bartholom. Wickste R. H.
Bartholom.



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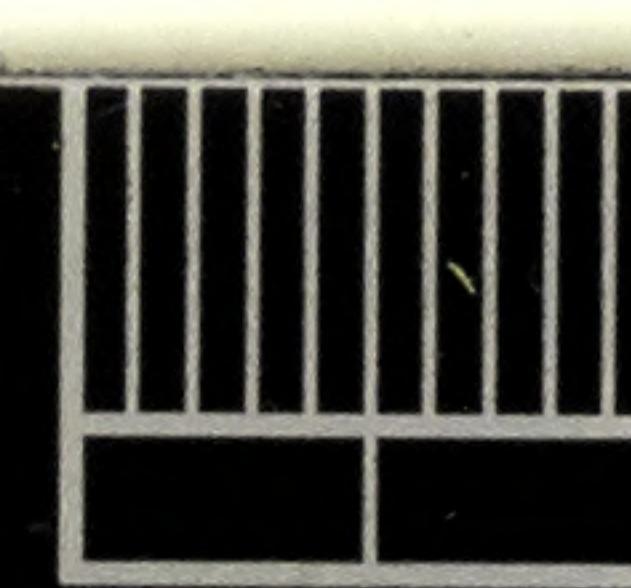
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from the other islands

Pereskia alata DC. Swartz Jamaic. sub *Cactus*
C. parviflora Jamaic. Mc. Medicina fl. v. Jamaic.
— *repanda* " "
— *grandiflora* " "

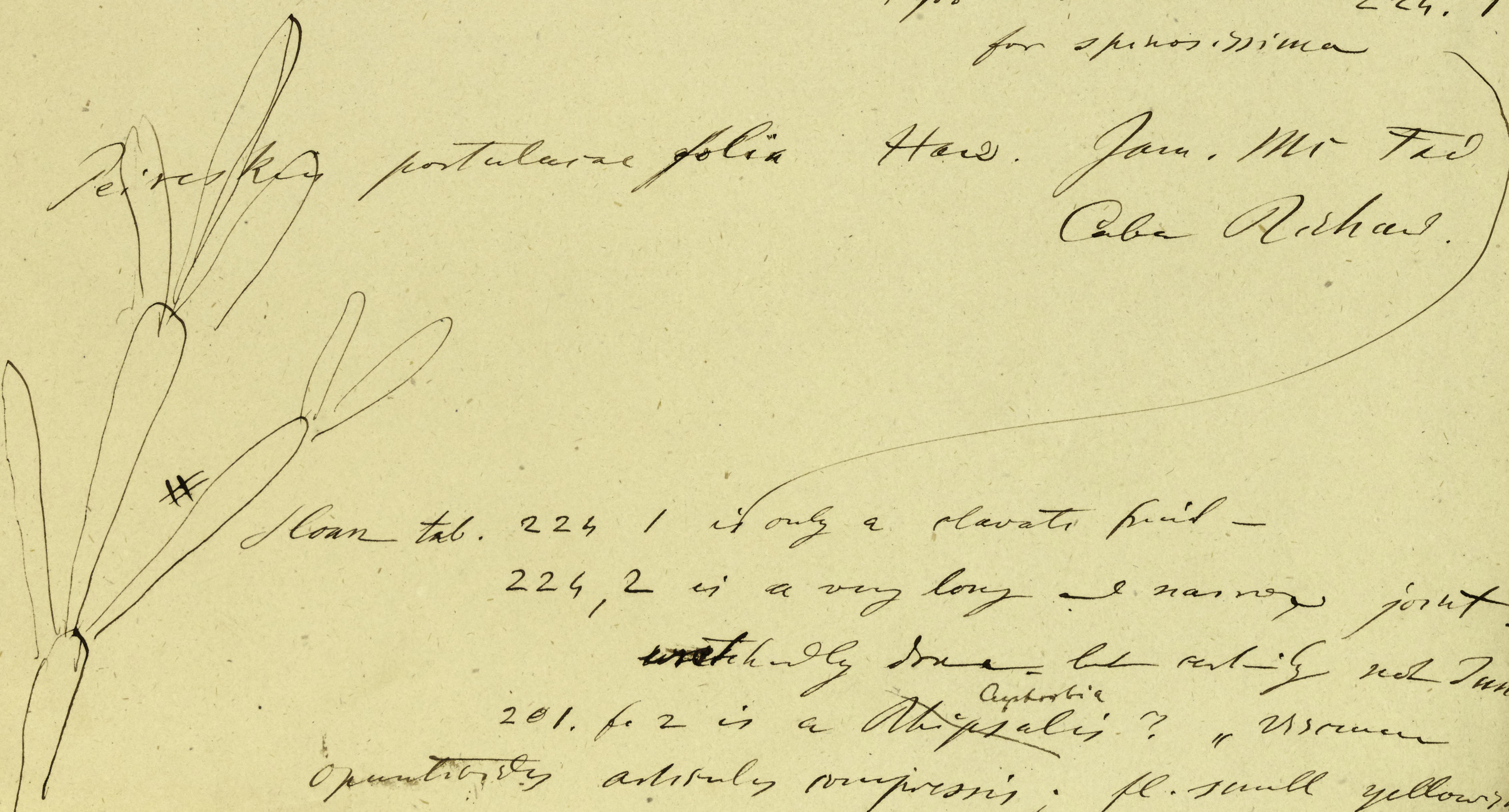
Cactus pendulus Sw. Jamaica & Haïti = ?

Rhipsalis Cass. ex Richard fl. Cub. #
— *Uromyces verticillatum* Sloane t. 201, fig 2

Opuntia spinosissima Jamaica Mc. Medic. flor. ; Mc. Medic.
sites the following figures of Sloane t. 224. f. 2 ~~225~~

O. Tuna Jam. Med. t 224 f. 1
O. corona-ellifera Jam. Med. t 8. f. 1 & 2
O. Pseudo Tuna Jam. Med. // Greville sites 224. f. 2
for O. Tuna & 224. 1
for spinosissima

Pereskia portulacea Willd. Jam. Mc. Medic.
Cuba Richard.



Sloan tab. 224 1 is only a clavate fruit -
224, 2 is a very long & narrow fruit -
markedly ~~long~~ long & ~~thin~~ not Tuna
201. f. 2 is a *Rhipsalis* ^{apertoria} ? " Uromyces
Opuntia very abundly common; fl. small yellowish



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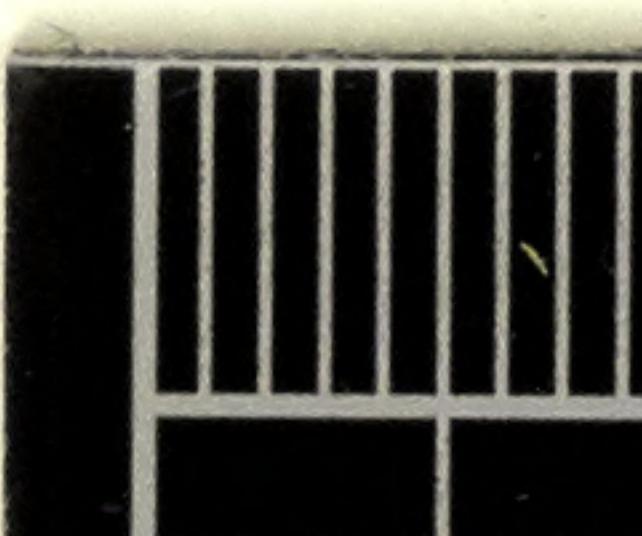
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at the end of the branches 2 together; white being
This is not probably *Rhipsalis Cassyni* because
of the compressed branches. — It is *Rhipsalis* . . .

tab 201 fig 1 is a figure not usually offered
but which seems a ^{near} ventr. of a ~~Leander~~ ~~Rhipsalis~~
and something like *Mr. Sagdoris*

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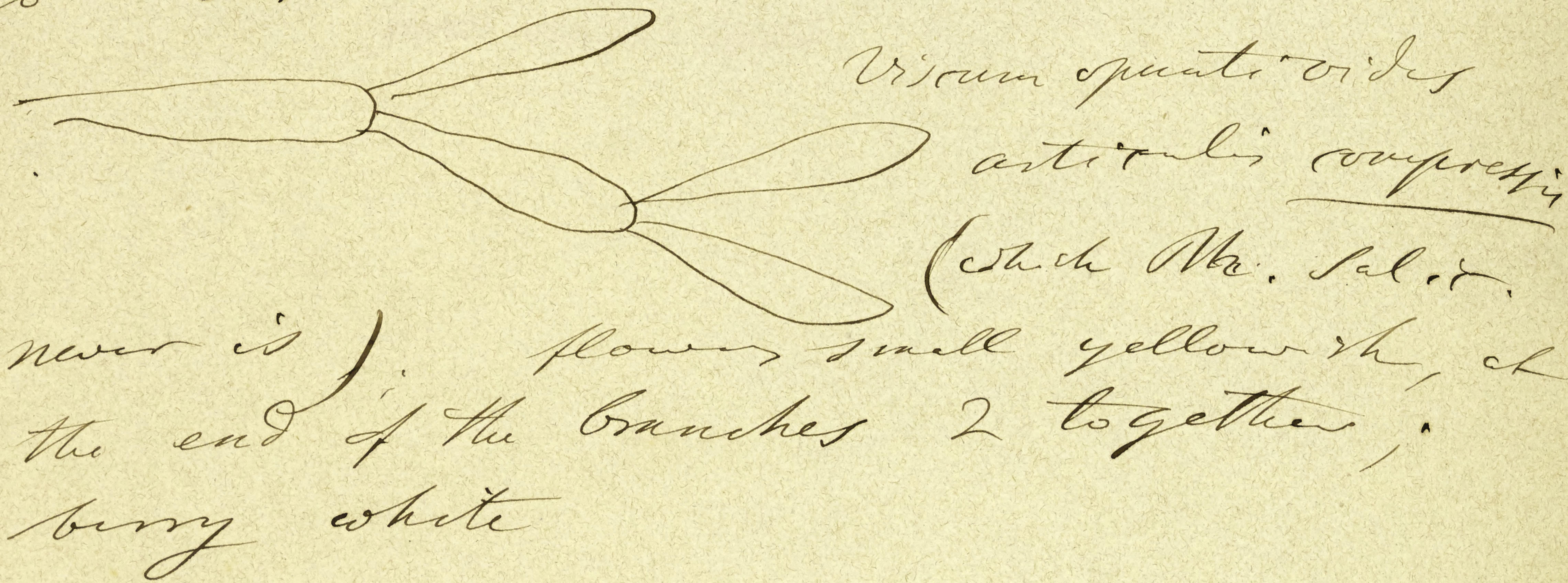
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Plaane II. 184. Cestaceae

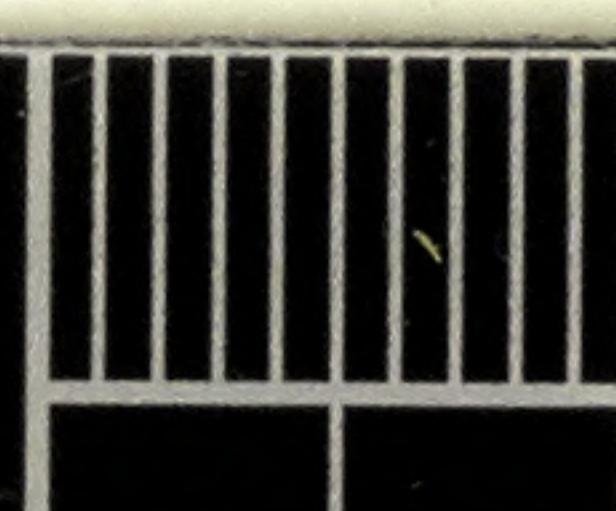
tab. 224, 1, a fruit Op. Taur ??

224, 2, along narrow point; probably
Op. (C. Nopalea)

tab 201. 2. a Mipsalis; supposed
to be *A. Salicinoides* but he says:



Plaane tab 26. Per. aneate, but
single sp. straight
Jull. 18th. J. 294



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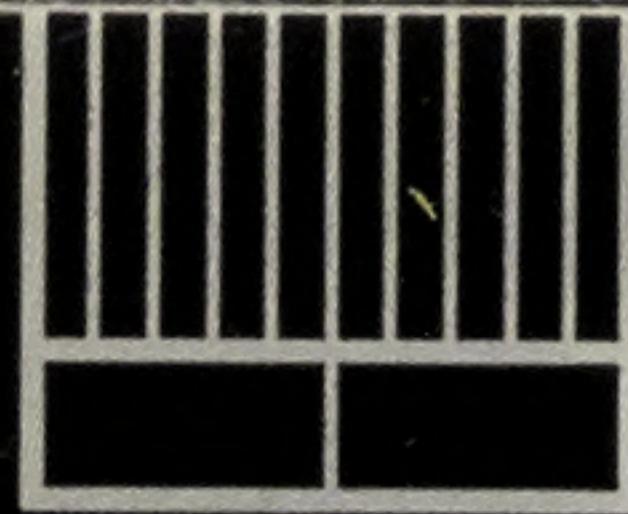
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Cactaceae

Scheer in Bot. Herald. p 285 etc

name Goodridgei from California

223 M. saxatilis Scheer n.sp. small plant, on rocks near Chihuahua - sent to Bruce Salvin; who thought it had great affinity to M. Humboldtii which however grows on meadows near Granados. M. saxatilis is cylindrica, auleis eburneis quasi stramineis.

224 M. denudata S. Gray. in litt. aut. $1\frac{1}{2}$ " alte apicemarginato rubro-barbato; manubris conicis minutiissimis, quasi velutinum also plantae occultantibus; auleis biseriatis, inferioribus 16, superioribus [interioribus] 8 brevioribus, - [no Corolla] - Could it be my M. microcarpa? but not spines enough]

225. 226. 227. 3 man. dark which I can make nothing of

228 M. Pottsii Scheer on limestone rocks near Chihuahua, over 7000 feet high.

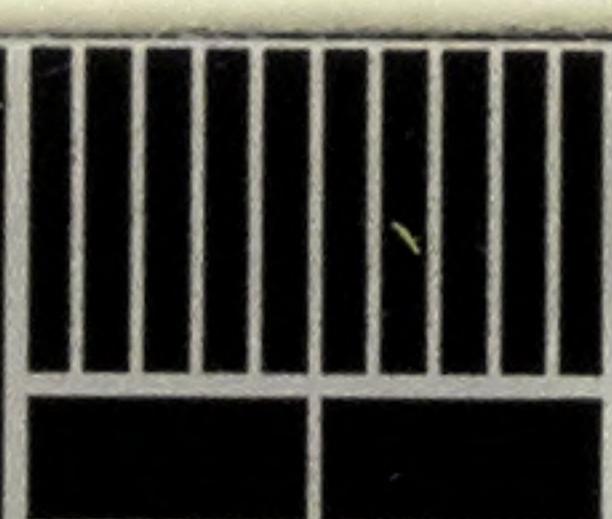
229-232 ? ?

233 Man. sp. might be a form of M. radiosa with 12 radial and 4 central subbrown spines; - grooved tubercles etc

234-236 ? ?

237. M. glabrata S. Gray. p. 109

238-251 ? ? ?



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252 M. Salm-Dyckiana on limestone mountains 30 miles north west of Chihuahua, with M. Pottsii

253. M. Scheerii Muhl. fructa elongata 2" longa
pallide lutea

254 Mam?

255 - 269 Echinocactus sp.

270 Echinocactus subiernis 8-6 costatus costis
rectis; areoles 3-4 mm. distans; stigmas 8
— Some specimens have 3 or 4 long spines
closely adpressed to the plant.

271 Echinocactus Salm-Dyckianus 2 feet high, 1 inch in
diameter; areole profuso decumbente carnosus
7-8 salutato; pubillis approximatis areolis
gracilibus rectis, 8-10 minutissimis; recta
1 (rare 2-3) duplo longior. —
[What can that be?]

272 Pch. Scheerii S.D. Salm's description May 190 is:
attenuatus, 9-10 costatus; pubillis confertim
minutis; areolis extensis 10-12 granulatis,
cavatis validiora portato. — 3-4 inches high
and 1 inch diameter.
[Could it be a varidiflora?]

273 - 288. Echinocactus & Cereus

289 - 297 Opuntiae.

3277

<u>Mammillaria</u>	36
<u>Echinocactus</u>	15
<u>Cerei</u>	19
<u>Opuntiae</u>	9
<u>Cactus</u> <u>Pottiana</u>	77

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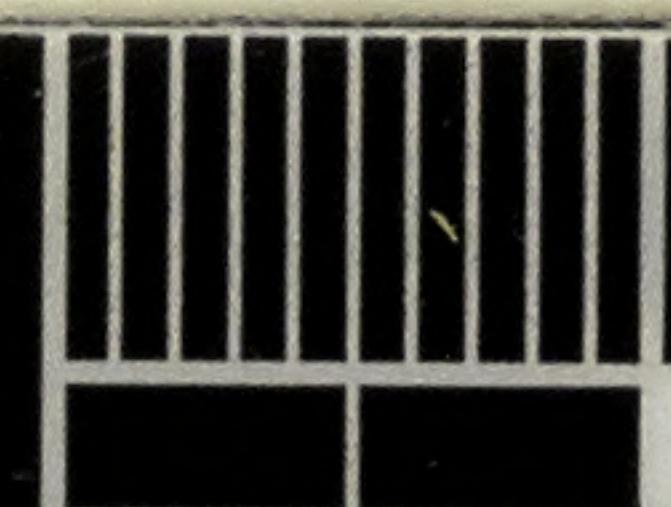
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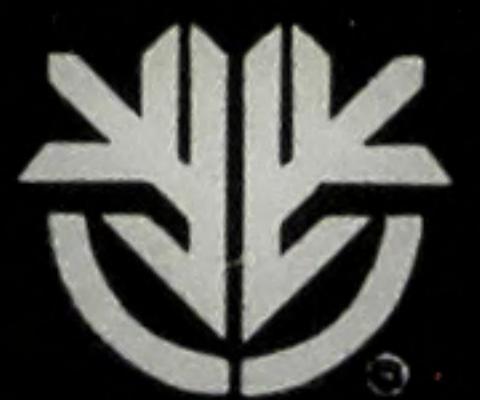


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(*Bractearia*) Algum. Gestaltung von Ott. & Dietrich. 1836 N° 19, T. 145
betrifft die Formen Melocactus nicht einzigen Sonderarten, also T. 148
in Formulare der Cactaceen. Vom Syntexis, Valu-System. —
Allerhöchstes über die Ueberprüfung der Formulare der Cactaceen, ist der allgemeine
Gesetz der Formen in mehreren Gattungen. Sie ist augenscheinlich Thalle
in dem natürlichen System gen. der beiden Formen. So *Ficoidaceen* &
Grosulariaceen & *peperomia* ist, s. *de Candolle* in *pius Rame de*
la forme des Cact. gesagt. Dies ist in jeder Gruppe der Cactaceen
ausgeführt, aber ausgenommen, welche die Gatt. *Mammillaria* &
Melocactus, *Echinocactus* & *Cereus* & *am. Opuntia* und
Pereskia welche sich verbinden. Also es haben wegen einer Verweichung
Anpassung zu Formulare der *Portulaceen* die Gattungen
Rhipsalis sind sich allein geändert hat, so wie manche Säfte
ausgeführt eine weitere Prüfung. Die gründliche ist lediglich
auf einer ausreichenden Anzahl von Cactaceen der Rhipsaliden
gründlich aufgewandt. Ganz anders ist Prober geprüft haben,
in dieser Branche einem & so fruchtlos die übrigen Cactaceen
absondernden bei ihr sind. Und allenthalben sind auch eine
solche Absonderung der grünen Gruppe gegeben, welche
de Candolle Ton auf legt, wenn erstens sie Formen in
sicher Branche an einer *placenta centralis* angeführt
sind. Es ist aber die proffältigsten Untersuchungen auf
die Gruppe aller in botanischen Rhipsaliden an-
gekommen, und kann ausgesprochen, daß bei allen, die
Absonderung, die beiden unicocularis, in die
seminal parietalis sind. — Diese unterscheiden
sich sehr aufwendig in der Ausbildung des nachstehenden
Gefäßes & auf die Reisungfolge in welches sie
gefüllt werden müssen, werden fast geprägt gegeben.
Was ist in den Hortus Dufk. p. 339 ausführlich
ausgeführt ist jetzt einzuhören in die Cerei
hören wirkließ mit den Rhipsaliden in die Absonderung
der Cerei alata gesprochen. Die Cerei ist
blumen geformt aus Gattungen Cereas, die werden
zu Rhipsalis, in welche die Rhipsalis unmittelbar
aus ist die Cerei folgen. Dies ist wieder für den Absonderung
der Cerei squalidior mit solchen Rupste Gattungen
wie den *Hortensia* *Leptostomum* & einem einzigen

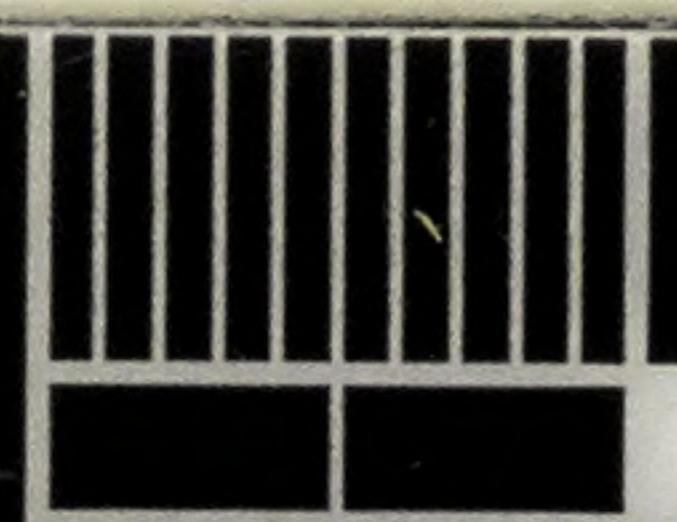


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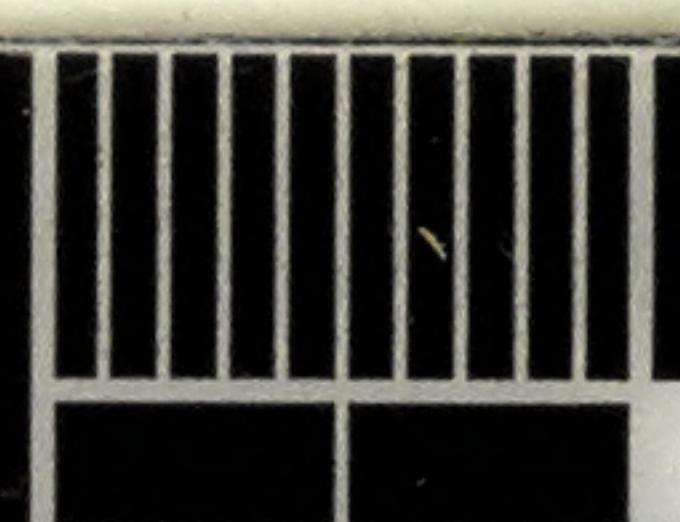


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in welchen sie Krauen in den Mitteln vergräbt sind, welche, die späteren
 Autoren blindlings vergräbt, vergräbt, vergräbt, vergräbt, vergräbt, vergräbt, vergräbt
 wie ausserdem zu Weise auf den Sohn Trifol von Turgidus
 vergräbt. Sie ist die Kultus Abbildung des 3. Sohnes
 in den Bäumen von *Phipsalis fasciculata* zu finden, und
 aber fehlt bei *Phipsalis* *Myosurus* in den Bäumen nicht zu entdecken
 ist. - Wichtig ist das für die Bestämmung des Gattung. *Lepidium*
 Sie vergräbt, sie ist bei den Pflanzen die Pflanzen die Krauen
 vergräbt. Diese grüne Linsen sind ebenfalls auf Chilien auf 10-12
 Meter) u. abwärts zu finden und grüne Grün in ein
 grüner Kitz, südlicher und nördlicher Cetyliden, vergräbt
 Sie ist in allen Phipsaliden *Myosurus* ist grüner ist. Und wenn
 ist sie Formosa bei den Bäumen so grüner Bäumen ist nur bei
 den kleineren Epiphytischen Pflanzen so seltsam, wenn sie ist bei
 den Krauen Krauen, die Laubpflanzen nicht mehr grüne zu den
 Pflanzen *Phipsalis* ist grüne. Sie aus derzeitigen Asien
 sind Phipsaliden sind folgende: 1) *Lepid. communis* (Cereus
spinosus Salm). - 2) *L. Myosurus* (Cereus *Myosurus* Salm,
tenuepinus Haw. phil. mag. 1807). - 3) *L. Knightii* Nob.
 (Gardneria 1835. p. 380). - 4. *L. paradoxum* Salm, *lins* in
Phipsalis auf den Bäumen, und kann nicht Pflanze, die aus nicht grünen
 grünen Bäumen ist.) - 5) *P. crispa* Nob. (Epiphyllum
Phipsalis. § 1. Alatae 1) *P. crispa* Nob. (Epiphyllum
crispum, *exacifolium*). - 2) *P. ramulosa* Nob. (Cereus
ramulosa, *Epiph. ciliatum*). - 3) *P. rhombica* Nob.
 (Cereus *rhombicus* Salm. *Cereus crispa* *crenulatus* H. Berol.). -
 4) *P. pleiycarpa* Nob. (Epiph. *pleiycarpum* Zuccar.). -
 5) *P. Swartziana* Nob. (Cactus *alatus* Swartz).
 6) *P. pachyptera* Nob. (Cereus *alatus* bot. mag. 2820)
 § 2. Subulatae. 7.) *P. pentaptera* Nob. (Gardner. 1836 p. 105)
 [Es ist sie nicht so grün wie diese, aber bei den grünen Bäumen,
 von Swartzia. Krauen nicht.]
 § 3. Cylindraceae. 8. *P. Cassytha* Gärtn. (pendula Hort.). -
 9) *P. Cereuscula* Haw. (philos. mag. 1830 p. 109).
 10) *P. fasciculata* Haw (parasitica H.). - 11. *P. floccosa* Salm
 (*Cassytha major* H. Dyk.). - 12 *P. funalis* Salm (grandis
 flora Haw. *calamiformis* Hort.). - 13. *P. mesembrianthoides*
 Haw. (*echinata* Hort.). - 14. *P. micrantha* H. -
 Zum Blüten ist eine röte Bäume von *Lepidium*. *Myosurus*, oder
 einer *Cassytha*. —

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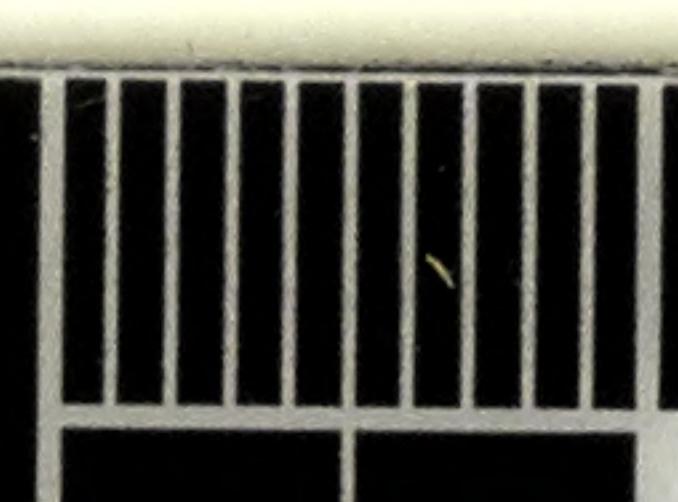


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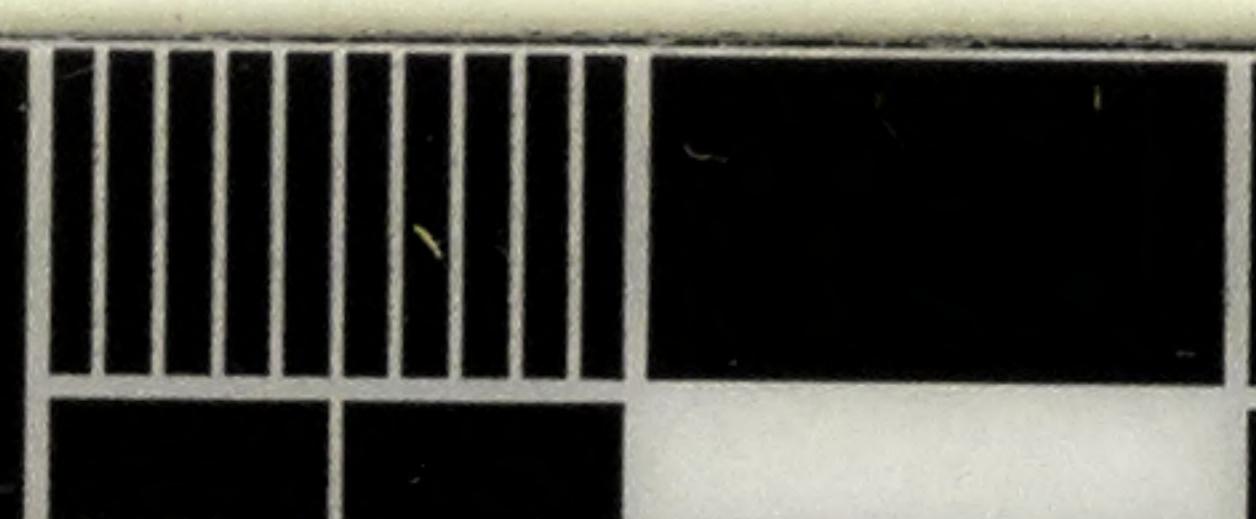
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ringel. Lippa 6-7 mm. lang. $3\frac{1}{2}$ " lang, 2" breit. ab Seite ist
fallen, die Lippe 9-10 mm. lang, so länger flügel, die Lippe ist längst
Verlängerung, ziemlich spitz. Die Aorta grün; $\frac{1}{2}$ " an einem Ende abgeschnitten,
und 9-10 mm. breit. Mittelplatte ist möglichst fest. Knorpelplatte. Feste
 $3\frac{1}{4}$ " lang; über d. 3 unter ziemlich abwärts liegen ein knorpelig. Mittel-
platte fest, knorpelig geknallt, Lippe s. wie in d. Knorpel-
platte. Alle Knorpel, bis auf 1 unter Mittelplatte sind
als unter Mittelplatte liegenden erbigt. Lippe ist
s. wie in d. 3 unter Knorpel und kommt aus. s. oben.
Mittelplatte 1" ob 1" 2" ^{m. appendata} in unter Mittelplatte $1\frac{1}{2}$ " lang.
5. Manillaria Heyderi, Stevns ^x Knopf. Knorpelplatte ^{Knorpel}
in Form, ab einer Stelle Eritaceus-rotas ^{g. von Brummitt}.
Globosa, viridis, vertice impresso, axillae juniperibus canatus,
mamillae conicæ, elongatis, 6 lineas longis, 3" lati, areolæ
junioribus albo-fomentosis apice manillarum disperatis;
areolæ radiatibus 20-22 albo-setaceis, inferiori robustiori
punctatum elongato, centrali 1. erecto cornu basi apice que
fusco $2\frac{1}{2}$ -3" longo. — Lippe grün, mit vierpunctata. Knorpel.
Aquila in Forme wie oben. Knorpel Lippe-geknallt, 6" lang.
o. Grind 3" breit. Aquila s. Jigz ist wie in Stelle, Pfeile auf
Djib. u. Oberg. $\frac{1}{2}$ " ob 20-22 ^{St. nicht}, primitiv subgibrat. Knorpel-
platte breit. Die Lippe breitflorig, aber so ziemlich spitz. s. oben
(S. d. Knochen, verhältniss der unteren nach, s. oben). —
oben 3, d. h. unter $3\frac{1}{2}$ -4" breit. Feste 1. Mittelplatte verkehrt,
feste 1" lang, 2-2 $\frac{1}{2}$ " lang. Knorpel in d. Knorpelplatte, geknallt und
verkehrt. Knorpel d. Lippe. — ab unteren Ende in 1. Knorpelplatte
wie oben. Nur d. Manillaria Capit. Reducta [—] M. glaberrata Salm,
verkehrt. Knorpel d. M. glaberrata (Salm) — keines weiteren von Knorpel-
platte ab — an einer, unknorpelte ist aber so, s. oben. —
Knorpel in Knorpelplatte s. — Knorpel. glaberrata Salm
ist 12 Knorpelplatte s. 2 Mittelplatte, Man. Heyderi 20-22 Knorpel-
platte s. 1 Mittelplatte. —

Distinguished by his skill in the billiards & tennis
and by his good qualities. He is now the Captain of the
Hellenic Yacht Club and himself a very
skillful player. He was born in 1848.



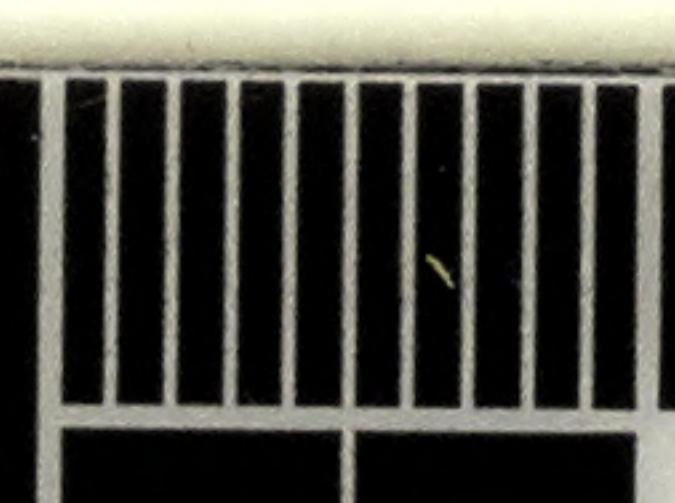
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Oct 20. 1857. Cactaceae. 200 species. 1. Cactaceae. 2. Echinocactus. 3. Echinocactus. 4. Echinocactus. 5. Echinocactus. 6. Echinocactus. 7. Echinocactus. 8. Echinocactus. 9. Echinocactus. 10. Echinocactus. 11. Echinocactus. 12. Echinocactus. 13. Echinocactus. 14. Echinocactus. 15. Echinocactus. 16. Echinocactus. 17. Echinocactus. 18. Echinocactus. 19. Echinocactus. 20. Echinocactus. 21. Echinocactus. 22. Echinocactus. 23. Echinocactus. 24. Echinocactus. 25. Echinocactus. 26. Echinocactus. 27. Echinocactus. 28. Echinocactus. 29. Echinocactus. 30. Echinocactus. 31. Echinocactus. 32. Echinocactus. 33. Echinocactus. 34. Echinocactus. 35. Echinocactus. 36. Echinocactus. 37. Echinocactus. 38. Echinocactus. 39. Echinocactus. 40. Echinocactus. 41. Echinocactus. 42. Echinocactus. 43. Echinocactus. 44. Echinocactus. 45. Echinocactus. 46. Echinocactus. 47. Echinocactus. 48. Echinocactus. 49. Echinocactus. 50. Echinocactus. 51. Echinocactus. 52. Echinocactus. 53. Echinocactus. 54. Echinocactus. 55. Echinocactus. 56. Echinocactus. 57. Echinocactus. 58. Echinocactus. 59. Echinocactus. 60. Echinocactus. 61. Echinocactus. 62. Echinocactus. 63. Echinocactus. 64. Echinocactus. 65. Echinocactus. 66. Echinocactus. 67. Echinocactus. 68. Echinocactus. 69. Echinocactus. 70. Echinocactus. 71. Echinocactus. 72. Echinocactus. 73. Echinocactus. 74. Echinocactus. 75. Echinocactus. 76. Echinocactus. 77. Echinocactus. 78. Echinocactus. 79. Echinocactus. 80. Echinocactus. 81. Echinocactus. 82. Echinocactus. 83. Echinocactus. 84. Echinocactus. 85. Echinocactus. 86. Echinocactus. 87. Echinocactus. 88. Echinocactus. 89. Echinocactus. 90. Echinocactus. 91. Echinocactus. 92. Echinocactus. 93. Echinocactus. 94. Echinocactus. 95. Echinocactus. 96. Echinocactus. 97. Echinocactus. 98. Echinocactus. 99. Echinocactus. 100. Echinocactus. 101. Echinocactus. 102. Echinocactus. 103. Echinocactus. 104. Echinocactus. 105. Echinocactus. 106. Echinocactus. 107. Echinocactus. 108. Echinocactus. 109. Echinocactus. 110. Echinocactus. 111. Echinocactus. 112. Echinocactus. 113. Echinocactus. 114. Echinocactus. 115. Echinocactus. 116. Echinocactus. 117. Echinocactus. 118. Echinocactus. 119. Echinocactus. 120. Echinocactus. 121. Echinocactus. 122. Echinocactus. 123. Echinocactus. 124. Echinocactus. 125. Echinocactus. 126. Echinocactus. 127. Echinocactus. 128. Echinocactus. 129. Echinocactus. 130. Echinocactus. 131. Echinocactus. 132. Echinocactus. 133. Echinocactus. 134. Echinocactus. 135. Echinocactus. 136. Echinocactus. 137. Echinocactus. 138. Echinocactus. 139. Echinocactus. 140. Echinocactus. 141. Echinocactus. 142. Echinocactus. 143. Echinocactus. 144. Echinocactus. 145. Echinocactus. 146. Echinocactus. 147. Echinocactus. 148. Echinocactus. 149. Echinocactus. 150. Echinocactus. 151. Echinocactus. 152. Echinocactus. 153. Echinocactus. 154. Echinocactus. 155. Echinocactus. 156. Echinocactus. 157. Echinocactus. 158. Echinocactus. 159. Echinocactus. 160. Echinocactus. 161. Echinocactus. 162. Echinocactus. 163. Echinocactus. 164. Echinocactus. 165. Echinocactus. 166. Echinocactus. 167. Echinocactus. 168. Echinocactus. 169. Echinocactus. 170. Echinocactus. 171. Echinocactus. 172. Echinocactus. 173. Echinocactus. 174. Echinocactus. 175. Echinocactus. 176. Echinocactus. 177. Echinocactus. 178. Echinocactus. 179. Echinocactus. 180. Echinocactus. 181. Echinocactus. 182. Echinocactus. 183. Echinocactus. 184. Echinocactus. 185. Echinocactus. 186. Echinocactus. 187. Echinocactus. 188. Echinocactus. 189. Echinocactus. 190. Echinocactus. 191. Echinocactus. 192. Echinocactus. 193. Echinocactus. 194. Echinocactus. 195. Echinocactus. 196. Echinocactus. 197. Echinocactus. 198. Echinocactus. 199. Echinocactus. 200. Echinocactus.



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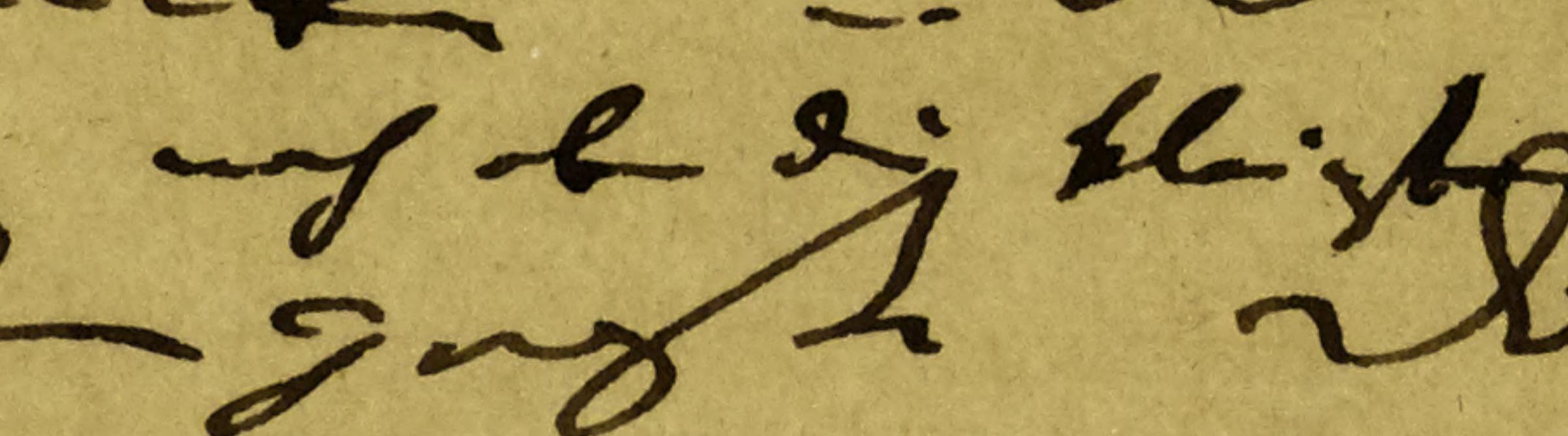


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Verhandlungen des Vereins zur Beförderung des Garten-
baues.
Berlin

Caetaceae

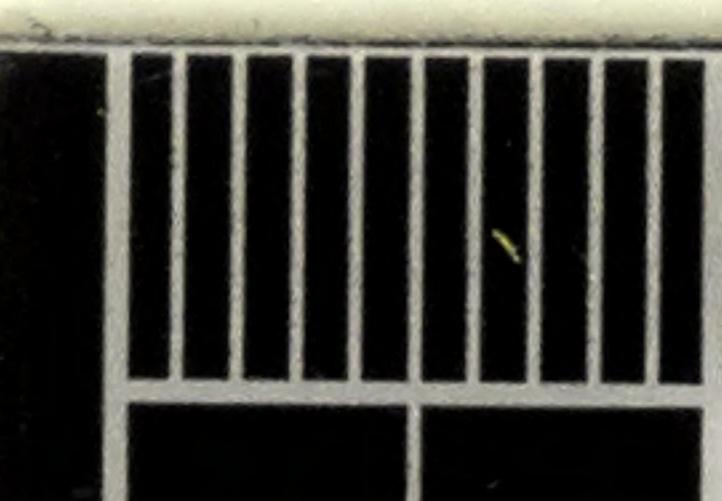
Vol. III pg 412 Echinocactus & melocactus
1827 von Link & Otto. mit Abbild.

Vol. VI pg 419 Echinocactus oxyacanthus Link - it vol.
1830 abbild.  Zs. Sp. of July 1830 Cereus echino-
cactoides (Gibbergarten) abe zuvor 29 it
wurde in der Blüte; jetzt in Cereus! Blüte
10 Zoll lang, Röhr. Sp. lang. Blüte 48 ft.
of 14 zylindrische! - Blüte ist die Röhr. der
Röhr. - Et Cyprianus ist die Röhr.
die Abbildung ist in der Taube über der
Doppelblüte!  ist die Röhr.
Brown, sp. glatt. Bentham ist die
Röhr. - Bentham!

Vol. X. pg 372. Cereus nyctagineus Link (= C. brevi-
1834 spinulosus = C. pleranthus) - Abbild.
große - fast C. grandiflorus, ist sehr spitz,
ist jetzt rießig; kantig; ist auf-
blüht.

Vol. XIV. pg 3 Cereus peruvianus - Abbild.
1838 mit Sp. blüht die zweite Blüte

Vol. XII (1836) p. 134 Cereus Mallisoni
hybr. speciosus - vegetans
- Abb.



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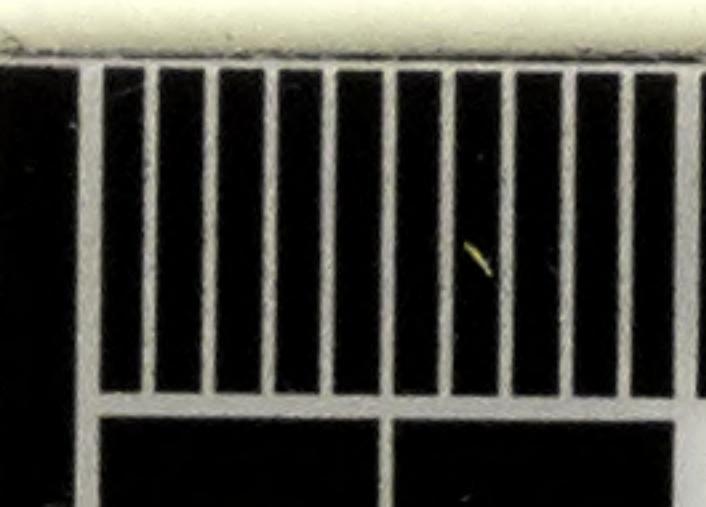
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Dertrag zum Gesichts eines Mexikanischen
Castan v. Carl. Aug. Threnberg
Linnæen III. p. 337. (1828-46)

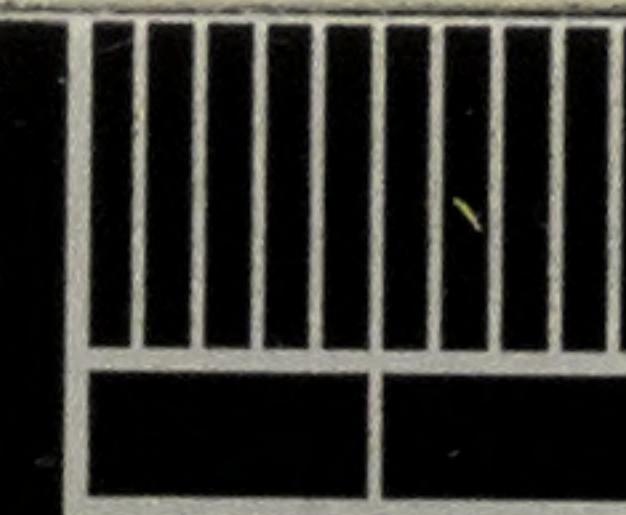
Echinoc. platyantha Lk. - *Kanowskii* = *platyantha*.
10-12 feet high - 4 feet diam. yellow fl. Lvs.
top woolly; berries with dry, below and above
woolly, with middle naked [?].

Cr. Threnbergi. on limestone rocks, near Jucopo
fl. 2" by 3" wide - petals incised, 9 green
stigmas; fruit 1 inch thick, brittle, edible.

Cr. cinnamomifolia 1-1 1/2 feet high, forming masses
5-10 feet broad. Jucopo, etc. on a stone floor
very pleasant smell of fruit green.

C. scutellis has its flowers and mane on the
south side? (Tocumal 27) fl. 3" by dark
whitish, stigmas white 15. - berries 2-2 1/2 inch; red
oval, 60-70 dark red scales with white fringes
with short wool in the axils. Seeds brown,
1 cm long

Cr. Humboldti masses of snow-white heads
with wings on flowers.



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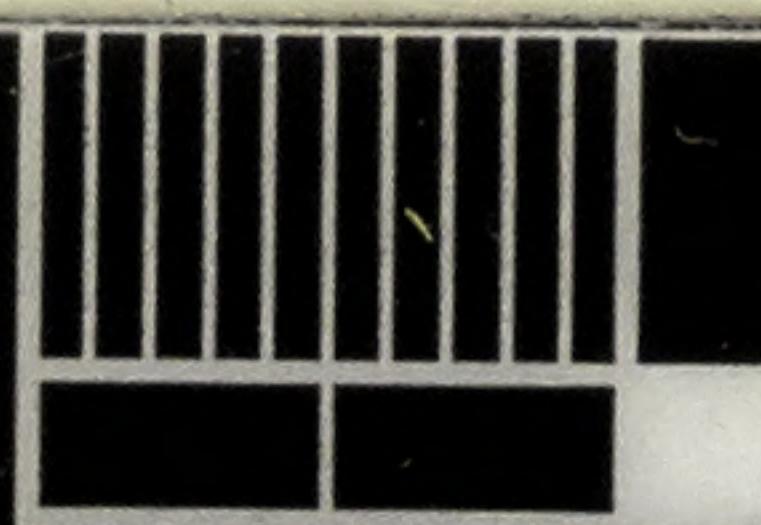
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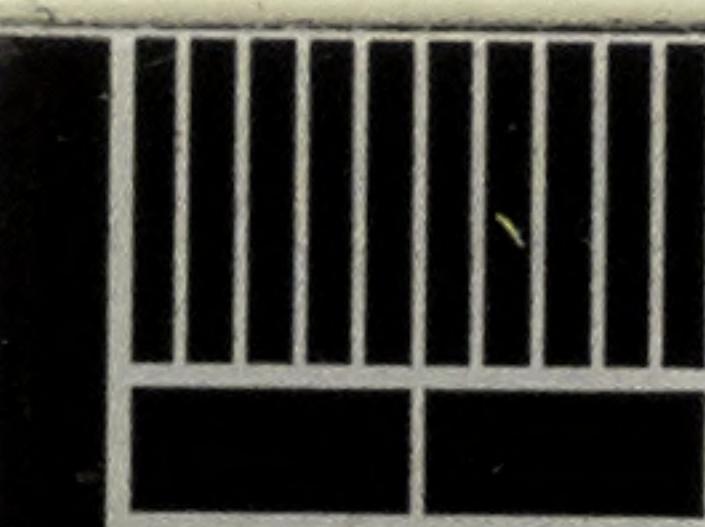


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Roxburgh Fl. Indra 1812

H. p. 475. Cactus undatus A. an Opuntia
erect, ciliated, biocig or tree like - bright
yellow flowers -
" no doubt native with forests about
Calcutta" !!

H. 476. Cactus chinensis A. also an Opuntia.



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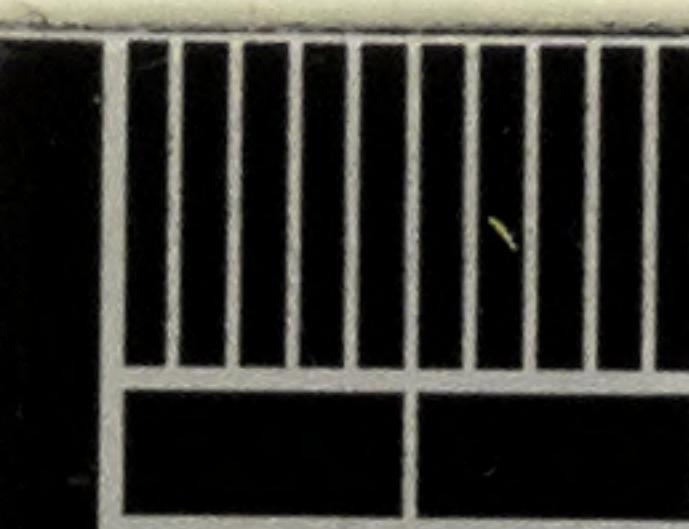
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